

REMARKS

This is in response to the Office Action of April 28, 2010. Claim 1 is amended to specify that the red phosphorescent material is an ortho-metalated iridium complex, based upon such disclosure as that in the paragraph bridging pages 13-14 of the specification. Claim 1 is also amended to incorporate the features of claims 3 and 4, which features are further limited by the recitation of formula (H-II) as disclosed in lines 1-14 on page 5 of the specification. Claims 3 and 4 are accordingly cancelled, without prejudice. Claims 11 and 12 are also cancelled, without prejudice. No new matter is introduced into the application by this Amendment. Claims 1 and 2 are now pending in the application.

Objection

On page 2 of the Office Action, objection was raised to claim 11 as containing an extra period. The foregoing cancellation of claim 11 makes the objection moot.

35 U.S.C. 112

On pages 2-3 of the Office Action, claim 12 was rejected as containing a duplicative definition of the variable "X." The foregoing cancellation of claim 12 makes this ground of rejection moot.

Issue under 35 U.S.C. 102(b)

Claims 1 and 2 were rejected under 35 U.S.C. 102(b) as being anticipated by US 2002/0074935 A1 (Kwong) "as evidenced by" US 2006/0057427 A1 (Tsukahara) and US 2002/0182441 A1 (Lamansky). Office Action, pages 3-4. Applicants respectfully traverse.

Kwong discloses electroluminescent devices in which two host materials are used in a light-emitting layer, but one of the host materials is a metal complex. See, for instance, Examples 1 and 2 in Kwong. In the present invention, in contrast to Kwong, *all* of the host materials in the light-emitting layer are non-metal-complex compounds. Therefore, there is a significant difference in structure between the presently claimed devices and the devices disclosed by Kwong.

In view of the above, reconsideration and withdrawal of this anticipation rejection are respectfully requested.

Issue under 35 U.S.C. 103(a)

Claims 3, 4, 11, and 12 were rejected under 35 U.S.C. 103(a) as being unpatentable over Kwong, “as evidenced by” Tsukahara and Lamansky, in view of US 2002/0028329 A1 (Ise). Office Action, pages 5-6. Applicants respectfully traverse.

As noted above, Kwong discloses electroluminescent devices in which two host materials are used in a light-emitting layer, but one of the host materials is a metal complex. In the present invention, in contrast to Kwong, *all* of the host materials in the light-emitting layer are non-metal-complex compounds.

The Ise reference does not disclose any working example using two or more host materials in a light-emitting layer. While Ise does disclose a compound covered by formula (H-II) hereinabove, that compound is used in an electron transport layer. It is not used in a light-emitting layer as in the present invention. See Table 1 in the Ise reference.

The present invention significantly improves external quantum efficiency by using two or more host materials in a light-emitting layer, one of which is a specific iridium complex and all of which are non-metal-complex compounds. This unexpected superior property of the presently claimed invention is demonstrated by the Declaration under 37 CFR 1.132 enclosed herewith¹. Therefore, any possible *prima facie* case of obviousness is rebutted by evidence of record in the present application.

In view of the above amendments, remarks, and evidence, reconsideration and withdrawal of this obviousness rejection are respectfully requested.

CONCLUSION

All of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider all

¹ The Declarant's signature appears to the right of the printed name instead of on the line labeled “Signature.”

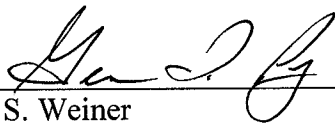

presently outstanding rejections and objections and that they be withdrawn. It is believed that a full and complete response has been made to the outstanding Office Action and, as such, the present application is in condition for allowance.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Richard Gallagher, Reg. No. 28,781, at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37.C.F.R. §§1.16 or 1.17; particularly, extension of time fees.

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Respectfully submitted,

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Enclosure: Declaration under 37 CFR 1.132